WHAT IS CLAIMED IS:

		ethod of controlling the operation of a vehicle with a radio
communica	tions circ	cuit configured to communicate with a vehicle operator's handheld
radio freque	ency tran	sponder, the method comprising the steps of:
1	a.	providing the vehicle having the bi-directional radio

- communications circuit;
 - b. providing the radio transponder to the vehicle operator;
- 7 c. generating electromagnetic radiation from the radio
- 8 communications circuit;
- 9 d. bringing the transponder within the range of the
- 10 electromagnetic radiation;
- energizing the transponder by the electromagnetic radiation; 11
- transmitting first information from the transponder after the step of energizing the 12
- 13 transponder;

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- f. receiving at the reader circuit the first information transmitted 14
- by the transponder; and 15
- 16 controlling at least one subsystem of the vehicle in response to g.
- 17 the first information received at the transponder.
- 1 2. The method of Claim/1, wherein the step of providing the radio
- transponder includes the step of providing the radio transponder with a low-power 2
- 3 microcontroller configured to receive its operating power from the electromagnetic
- 4 radiation.
- 3. The method of Claim 2, wherein the step of providing the radio 1
- 2 transponder includes the step of molding the radio transponder into a vehicle ignition
- 3 key.
- The method of Claim 2, wherein the step of providing a radio 1
- 2 transponder includes the step of embedding the radio transponder in a hand-held card.

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1	5.	The method of Claim 4, wherein the step of providing a radio
2	transponder is	ncludes the step of mechanically bonding the radio transponder to a
3	vehicle igniti	on key.
1	6.	The method of Claim 1, wherein the step of transmitting the first
2	information is	ncludes the step of transmitting a digital value that identifies the
3	operator.	
1	7.	The method of Claim 6, wherein the step of controlling at least one
2	subsystem in	cludes the step of comparing the digital value that identifies the operator
3	with a value	previously stored in the vehicle's controller.
1	8.	The method of Claim 7, wherein the step of controlling at least one
2	subsystem of	the vehicle includes the step of disabling the operation of one or more of
3	the following	subsystems:
4		a. a fuel pump of the vehicle;
5		b. a hydraulic system of the vehicle;
6		c. a starting system of the vehicle;
7		d. an electrical system of the vehicle;
8		e. a transmission of the vehicle; and
9		f. an engine of the vehicle.
1	9.	A method of controlling the operation of a vehicle in response to data
2	received from	a radio transponder, the vehicle having a short-range radio transceiver
3	configured to	selectively energize the transponder when it is in close proximity to an
4	operator's sta	tion of the vehicle, the method including the steps of:
5		a. storing data in the transponder indicative of the operator;
6		b. bringing the transponder into close proximity of the operator's
7	station of the	vehicle;
8		c. generating by the vehicle of an electromagnetic field sufficient
9	to energize th	ne transponder;
10		d. downloading from the transponder to the vehicle the data
11	indicative of	the operator;

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12		e. comparing by the vehicle of the downloaded data indicative of
13	the operator	with data previously stored in the vehicle; and
l 4		f. limiting the functionality of the vehicle based pon the step of
15	comparing.	. /
1	10.	The method of Claim 9, wherein the data indicative of the operator
2	includes data	indicative of the vehicle operational parameters.
1	11.	The method of Claim 10, wherein the operational parameters include a
2	distance trave	eled.
1	12.	The method of Claim 10, wherein the operational parameters include a
2	geographical	area in which the vehicle may be driven.
1	13.	The method of Claim 10, wherein the operational parameters includes
2	times of the	day during which operation is permitted.
1	14.	The method of Claim 10, wherein the perational parameters include
2	an elapsed tii	me of operation.
1	15.	The method of Claim 10, wherein the operational parameters include a
2	maximum en	agine load.
1	16.	The method of Claim 10, wherein the operational parameters include a
2	maximum sp	beed of the vehicle.
1	17.	A system for controlling the operation of a vehicle comprising:
2		a. a portable radio transponder including a microcontroller and an
3	digital memo	ory, wherein the digital memory includes data indicative of an operator of
4	a vehicle;	
5	:	b. a vehicle further comprising:
6		i. a transponder reader circuit configured to transmit
7		electromagnetic radiation sufficient to energize and
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8		enable the transponder to transmit the data at a
9		transponder radio frequency; and
10		ii. a control system configured to input the data from the
11		transponder reader circuit and to control operation of
12		the vehicle in response to the data.
1 .	18.	The system for controlling the operation of a vehicle of Claim 17,
2	wherein the c	ontrol system is configured to set a vehicle speed limit based upon the
3	data received	from the transponder.
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1	19.	The system for controlling the operation of a vehicle of Claim 17,
2	wherein the c	ontrol system is configured to set a maximum engine RPM based upon
3	the data recei	ved from the transponder.
1	20.	The system for controlling the operation of a vehicle of Claim 17,
2		control system is configured to set a maximum engine load based upon
3	the data recei	ved from the transponder.
1	21.	The system for controlling the operation of a vehicle of Claim 17,
2		control system is configured to disable the vehicle after a predetermined
3	amount of tin	ne of operation based upon the data received from the transponder.
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1	22.	The system for controlling the operation of a vehicle of Claim 17,
2		control system is configured to disable the vehicle if it travels outside a
3	predetermine	d geographical area of operation.
1	22	The system for controlling the operation of a vehicle wherein the
1	23.	
2	-	m is configured to prevent the operation of the vehicle outside of
3 4	transponder.	d time intervals each day based upon the data received from the
4	nansponder.	
b / .		
P, D,		

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